



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

THE ANALYST.

A JOURNAL OF

PURE AND APPLIED MATHEMATICS.

EDITED AND PUBLISHED BY

J. E. HENDRICKS, A.M.

VOLUME V.

DES MOINES, IOWA:
MILLS & CO., BOOK AND JOB PRINTERS.
1878.

ALPHABETICAL INDEX.

	PAGE
Approximate Multisection of an Angle,	172
A Problem and its Solution, - - -	181
Announcement, - - - - -	192
Adcock, R. J. - - -	21, 53, 149
A Case of Symbolic vs. Operative Exp'n,	38
A Problem and its Solution, - - -	45
A Question and its Solution, - - -	50
A Problem in Least Squares, - - -	53
Answer to Query, - - - - -	55
A Collection of Proofs of the Relation $r' + r'' + r''' - r = 4R$, - - -	82
A Problem with Solution, - - -	86
Answer to Query at page 62, - - -	147
Barbour, Prof. L. G., - - -	73, 180
Baker, Marcus, - - - - -	24, 82, 143
Borden, John, - - - - -	41, 110
Bibliographical Note, and Query. -	143
Correspondence, - - - - -	174
Continued Roots, - - - - -	20
Cubic Equations, - - - - -	117
Casey, Prof. W. P., - - - - -	147
De Forest, E. L., - - - - -	1, 66, 129
Dixon, T. S. E., - - - - -	20
Discussion of the General Equation of the Third Degree, - - - - -	110
Demonstration of Proposition on page 8,	87
Discussion of an Equation, - - -	41
Enumeration of Primes, - - - - -	7
Errata, - - - - -	32, 64, 96, 128, 160, 192
Evaluation of Elliptic Functions of the Second and Third Species, - -	97
Evans, Alexander,	161
Eastwood, George,	50, 170
Eggers, Dr. H.,	181
Ficklin, Prof. Joseph,	177
Geometrical Solution of Problem 125,	147
Hill, G. W.,	33, 114
Hathaway, A. S.,	38, 86
Hyde, Prof. E. W.,	39, 113

	PAGE
Hall, Prof. Asaph,	44
Hart, Dr. David S.,	118
Heal, William E.,	143, 148
Johnson, Prof. W. W.,	7, 176
Kirkwood, Prof. Daniel,	178
Kummell, Chas H.,	17, 78, 172
Least Squares,	21
Ladd, Christine,	116, 145
Martin, Artemas,	52, 141
Mc Adam, Prof. D. J.,	87
Macnie, John,	80, 174
Note,	49, 54, 55
Note on the Correspondence of Material Forms with Mathematical Relations,	140
Note on the Solution of Problem 217,	175
Note on the Polynomial Theorem, .	176
On the Limit of Repeated Adjustments,	129
On the Angle between two Lines given by their Equations,	148
On Some Properties of Four Circles Inscribed in One,	116
On Repeated Adjustments and on Signs of Residuals,	65
On Equations of the Third Degree,	73
On the Motion of the Centre of Gravity of the Earth and Moon,	33
On the Roots of Equations,	51
On the Grouping of Signs of Residuals, Proposition,	1
Problems, 31, 63, 95, 127, 143, 159, 193	8
Publications Received, 32, 64, 96, 128, 192	
Proof of the Theorem that every Eq'n has a Root,	80
Proposition in Transversals,	113
Quinquesection of the Circumference of a Circle,	180
Revised Solution of Problem 218, .	170
Rectification of the Hyperbola, . .	52
Remarks on Mr. Meech's Article on Elliptic Functions,	17

Short Method of Elliptic Functions,	9	To find the Differential of a Variable	
Successive and Simult's Quadrature,	10	without the Use of Infin's or Limits,	177
Quadrantal Quadrature,	12	The Meteor of August 11, 1878,	178
Integration of Funct's of 2d & 3d Ord.	14	Turrell, Isaac H.,	166
Solution of Problems, 24, 26, 39, 63, 88,		Trowbridge, Prof. David,	168
120, 150,	183	To find the Earth's Dist. from the Sun,	141
Solution of Problem 206,	149	The Polynomial Theorem,	145
Solution of an Indeterminate Problem,	118	The Secular Acceleration of the Moon,	105
Seitz, E. B.,	45	The Centre of Gravity of the Apparent	
Solution of the Eq'n of the Fifth Deg.,	161	Disk of a Planet,	44
Summation of two Series,	168	Ultimate Proposition in Attraction,	22
To Draw a Circle Tangent to Three		Worpitzky, Professor,	51
Given Circles,	166		